

**Abstract**

The object of the Invention is a security system, method and apparatus for repelling computer viruses and isolating data. The security system includes sub-systems 1-3, which sub-system 1 includes in addition to anti-virus software those programs of sub-system 3 that may cause the activation of a virus. Sub-system 2 functions as a intermediate stage between sub-systems 1 and 3. In the presented Method, actions are taken to activate a virus and to detect virus activation. In connection with virus activation the security system or its part can be separated from the rest of the system and thereby damages be limited. When the security system is placed between two systems, it can also be used to isolate the two systems mentioned above from each other with regard to direct, real-time data transfer. The Apparatus in accordance with the Invention is adapted to receive a message from another apparatus and to examine the said message in order to activate and to detect unknown viruses.